re-run

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09/669,817_

Source: _OIPE_

Date Processed by STIC: _8/6/2003_

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2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

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Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
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1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
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              Or
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Revised 04/24/2003

ne-new (handwritten)

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/669,817**

DATE: 08/06/2003
TIME: 14:25:53

Input Set : **E:\RiceJumbo1Reg.rpt**
Output Set: **N:\CRF4\08062003\I669817.raw**

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      1 <110> APPLICANT: Byrum, Joseph R.
      2         Ruan, Yijun G.
      3         Wallick, C. Kevin
      5 <120> TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With
      6         Plants
      8 <130> FILE REFERENCE: 38-21(51469)B
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/669,817
C--> 10 <141> CURRENT FILING DATE: 2000-09-26
     10 <150> PRIOR APPLICATION NUMBER: US 60/156,951
     12 <151> PRIOR FILING DATE: 1999-09-30
     14 <160> NUMBER OF SEQ ID NOS: 43701
     16 <210> SEQ ID NO: 1
     17 <211> LENGTH: 501
     18 <212> TYPE: DNA
     19 <213> ORGANISM: Oryza sativa
     21 <223> OTHER INFORMATION: Clone ID: uC-osflcyp001a01b1
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     29 ggggcgacaa gctgatcctg cggggggctgc ggttccatgg cacccacggg gtgaagccag   180
     31 aggagaagaa gctgggccag aagttcgtca tcgacgtcga cgcctggatg gatctcgccg   240
     33 ccgccgggga ctccgacgac atctccgaca ccgtcagcta caccgaaatc tacaggatag   300
     35 ccaagaatgt agtcgaaggc ccgtcgcaca atctgttgga atcggtggct cagtcgattg   360
     37 caaactcaac cctgctcaag ttccctcaga tttctgcagt tcgagtgaag gttgagaaac   420
     39 ctcatgttgc tgttcaggga gtcctcgact atttgggcgt ggagatattc aggcagagaa   480
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     45 <211> LENGTH: 577
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     51 <222> LOCATION: (1)...(577)
     52 <223> OTHER INFORMATION: unsure at all n locations
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     61 attcgtgccc tccgatcaga ggcgaggcgg gagaagagat ggggctcacg ttcaccaagc   180
     63 tgttcagccg gctcttcgcc aagaaggaga tgcggatcct gatggtgggt cttgacgcgg   240
     65 ccggaaagac cacaatcctc tacaagctca agctcggcga atcgtcacc accatcccca   300
     67 ccatcggatt caatgttgaa accgtggagt acaagaacat cagcttcacc gtctgggatg   360
     69 tgggggggtca ggacaagatc aggcctctgt ggaggcatta tttccagaac acccagggtc   420
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Does Not Comply
Corrected Diskette Needed (handwritten stamp)

<2207 insert this mandatory numeric identifier wherever <2217, <2227, or <2237 is shown (handwritten annotation)

RAW SEQUENCE LISTING   DATE: 08/06/2003
PATENT APPLICATION: US/09/669,817   TIME: 14:25:53

Input Set : E:\RiceJumbo1Reg.rpt
Output Set: N:\CRF4\08062003\I669817.raw

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W--> 73 acaggatgct gaacgaggat gagctacgtg atgctgtgct gctngtcttg ctacaagcag   540
    75 atctgccaac gctatgatgc tgctggacac tgatagc                              577
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    79 <211> LENGTH: 232
    80 <212> TYPE: DNA
    81 <213> ORGANISM: Oryza sativa
    83 <223> OTHER INFORMATION: Clone ID: uC-osflcyp001a05b1
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    91 gttcggcccc cgggggggccc gccatgggct agggtttgcg ggcgatggag tgggacagcg   180
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   109 accccttctt cccccttccca ccgccgtcct cctcctcctg ccccttcctc tccccacccg   180
   111 ccgtttcctc cacctgccca ttcttcgccc tcgactcccc cttcgctgct gacccctttcc  240
   113 atctccaccc cttcctcccc acgccgacca ctagctccct cctcgacccc ttcctcctcc   300
   115 acaccctcac cgaccgcgtc tcccaactcg agctcgccct cgccgcccgc gccccacacc    360
   117 ccaggcccac cagcaggaag tgcacctatg tcaccgagtc caccggccgc atggtcaagt   420
   119 ggaccaccga ggacaagcct cgcgccggcg agagggtgct caagtgggag ctgagctcg    480
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   125 <211> LENGTH: 511
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   129 <223> OTHER INFORMATION: Clone ID: uC-osflcyp001a08b1
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   137 tccggcgggg cggatcgtga tggagctgta cgcgaaggac gtgccgcgga cggcggagaa   180
   139 cttccgcgcg ctctgcaccg gcgagaaggg cgtgggcaag agcggcaagc cgctgcacta   240
   141 caagggggagc accttccacc gcgtgatccc ggagttcatg tgccagggcg cgacttcac   300
   143 ccgcggcaac ggcacgggag gggagtcgat ctacggcgag aagttcgccg acgaggtgtt   360
   145 caagttcaag cacgacagcc ccggcatcct gtccatggcg aacgccgggc ccaacactaa   420
   147 cgggtcccag ttcttcatct gcaccgtgcc ctgcagctgg ctggacggga agcacgtcgt   480
   149 gttcggccgc gtcgtcgagg gcatggacgt c                                   511
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   153 <211> LENGTH: 500
   154 <212> TYPE: DNA
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insert <220>

same error

same

same

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165 gatgatgctc gccgccgacg tccacctcgg caccaagaac tgcgacttcc agatggagcg   180
167 ctacgtctac aagcgccgct ccgatggtat ctacatcatc aacctcggca agacatggga   240
169 gaagctgcag ctcgcggcga gggtgattgt tgccattgag aaccccccagg acatcattgt   300
171 ccagtcggcc cgcccctacg gccagcgcgc cgtcctcaag ttcgcgcagt acactggcgc   360
173 gcacgccatt gctggaaggc atacgcctgg tacatttacc aatcagctgc agacctgctt   420
175 cagcgagccc cgtctgctca tcctcaccga cccaaggacc gatcaccagc caatcaagga   480
177 gtctgctctg ggaaacatcc                                               500
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180 <210> SEQ ID NO: 7
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182 <212> TYPE: DNA
183 <213> ORGANISM: Oryza sativa   *same*
185 <223> OTHER INFORMATION: Clone ID: uC-osflcyp001a12b1
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193 aattggacag tcatcaggga catgccaaat gtgccactcc tctacattat tggtgccttc   180
195 ataccagcaa cgatgatagc cgtcctgtac tacttcgatc acagtgttgc ttctcagctt   240
197 gctcagcaga aggagttcaa tttgaggaag cccccatctt tccattatga tttgcttctc   300
199 ctgggtttcc tgacattatt gtgtggcctt attggtatcc ctccggcgaa tggtgtcatt   360
201 ccacagtctc caatgcatac gaagagtttg gctactctca aacatcaact actccgtaac   420
203 cgactagtag ccacagcccg acaaagcatg agccagaatg cgag                     464
```

206 <210> SEQ ID NO: 8
207 <211> LENGTH: 446
208 <212> TYPE: DNA
209 <213> ORGANISM: Oryza sativa   *same*
211 <223> OTHER INFORMATION: Clone ID: uC-osflcyp001b01b1
213 <400> SEQUENCE: 8

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217 gtctccctca ccggcgtttg tgttcgtgag tgtgagagtg ttcctgggct gagccaacat   120
219 cgaagtcagc aactccatct ccaaggttct ctggatggcc accctcagcc ccacctcgct   180
221 gcccaactgg aacaggatgc ggatctcggt gaacaccatc acgcagaacc gcgccaagtc   240
223 gctgcggcgg ctgcttgcgt cactgcggaa cacgtactac gtcgacgacg aggtggtgcc   300
225 gatcagcttc aacatggaca gccgcgtcga cgcggcgacg ctgaacgccg tcaactcctc   360
227 cgacgctgaa ccagtactaa tgtgattcac tccacctgac tgacattgct caaagttgag   420
229 caacaagact tgtccatcgt gatgaa                                        446
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232 <210> SEQ ID NO: 9
233 <211> LENGTH: 327
234 <212> TYPE: DNA
235 <213> ORGANISM: Oryza sativa   *same*
237 <223> OTHER INFORMATION: Clone ID: uC-osflcyp001b02b1
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241 ctttaggttc tcaccaccaa aggagctagg tatcagattg gttttcgtgg gcttaaatga    60
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245 agtcatgaca gataatgatg tggatgtttt gggaagataa agctctttag gttccaccac   180
247 caaaggagct aggtatcaga ttgttttttcg tggggtgtta aaaaatcgtg cgtgtttcag   240
249 tttggttttt aatcgaaagg cttacggtgc ctgacttttg tacctctgta ctcgccacag   300
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265 ctcgccgtct gcgcgctgcc gctcgctcga tcccgcgcgg cgccaagaac ggccgtgggt  120
267 ggcggtggtg gcgcggcggc ggccgacacg atacacgagc tcctgcggac gcacgggctg  180
269 ccggggggc tgctgccgcg aggggtggag tcgtacagcc tcgacgaggc gaacgggctg  240
271 ctggaggcgc ggctgtcggc gccgtgctac gccaagtacg acgacggcga cctggccttc  300
273 ttcgacaccg tggtgcgggg caacctcagc ttcggcgcgc tccgcggcgt ggagggcctg  360
275 tcccaggagg agctcttcgt gtggctcccc gtcaagggca tcggcgacgc cgacccgggc  420
277 tccggcgaca ttctctttga catcggctac acccacaa                          458
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281 <211> LENGTH: 536
282 <212> TYPE: DNA
283 <213> ORGANISM: Oryza sativa                    same
285 <223> OTHER INFORMATION: Clone ID: uC-osflcyp001b09b1
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291 cgctgctcgc cgtggcggcg agtggcgcgg cggcgcaggg cgtcgggtcg gtcatcacgc  120
293 aggcggtgtt caacagcatg ctgcccaacc gcgacaactc gcagtgcccg gcgaggggct  180
295 tctacacgta cgacgccttc atcgccgccg acaactcctt cccggcgttc ggcacctccg  240
297 gcggcagcgc cgagctcatc cggcgggagc tcgccgcctt cttcggccag acctcccacg  300
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303 ggcaatcgaa ctaccaagca gccgggaacg cgctggggct ggacctggtg ggcaacccag  480
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308 <210> SEQ ID NO: 12
309 <211> LENGTH: 481
310 <212> TYPE: DNA
311 <213> ORGANISM: Oryza sativa                    same
313 <223> OTHER INFORMATION: Clone ID: uC-osflcyp001b12b1
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321 tgacaatgct ccatggacgc ggtggaactg tcccaagagg cggaggtccc agtcatcttg  180
323 ccatcttgtg tcagccacca gacacattcc atggatctct ccgggtcact gtccagggtg  240
325 aagtcattga gcagtccttt ggtgaggagc acctttgttt caggacactg cagcgtttca  300
327 cggctgccac tctggagcat ggcatgcatc caccaattgc gccgaaacca gaatggcgtg  360
329 ctctgcttga tgagatggct gtggtggcta caaaggaata ccggtccatg cgttgccagg  420
331 aaccacgctt tgtcgagtat ttccggcttg caacaccaga gatggagtat ggcaggatga  480
333 a                                                                   481
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338 <212> TYPE: DNA
339 <213> ORGANISM: Oryza sativa                    same
341 <223> OTHER INFORMATION: Clone ID: uC-osflcyp001c01b1
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RAW SEQUENCE LISTING   DATE: 08/06/2003
PATENT APPLICATION: **US/09/669,817**   TIME: 14:25:53

Input Set : **E:\RiceJumbo1Reg.rpt**
Output Set: **N:\CRF4\08062003\I669817.raw**

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349 cctataaaac atattgaagc acatttgcct gttcgagtga atgagcagag actaagtaac  180
351 ttgctgcaat ccttattagt tggtgcttgt gttggagcta tgccagtcat caagatgata  240
353 ccgacatcgg tcctctgggg ttactttgct tatatggcca ttgacagtct acctggcaac  300
355 cagttttggg aaagaataag acttatattc atcccatcaa gccgacgcta caaggttttg  360
357 gagggtcccc atgcgtcttt catggagtca gtgccttcaa aaacaattac tgtctttacg  420
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361 atcctg                                                            486
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371 <222> LOCATION: (1)...(368)
372 <223> OTHER INFORMATION: unsure at all n locations
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381 tatttcactc catgaagttt caatcaacga gcatgcagct agctagatag ttttaaaaaa  180
383 tagcataaat aattttgatg atatagatta ttctcagtgg tggagccagg ataaaattac  240
385 agtgggggct cctcagcctt ttgggccttc taaccatctc agacaaagtc tattttagcc  300
```
W--> 387 `ccttgcaat agatttatag atttacattt tagggggggg gngggtctca atggagggct  360`
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389 ctaatgat                                                          368
392 <210> SEQ ID NO: 15
393 <211> LENGTH: 497
394 <212> TYPE: DNA
395 <213> ORGANISM: Oryza sativa
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none
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405 caccatgcgc aagtcggcgg cgaagcccaa gcccgccgcg tcggggagcc cgtggtacgg  180
407 cgccgaccgc gtgctctacc tcggcccgct ctccggcgag ccgccgagct acctgaccgg  240
409 cgagttcccc ggcgactacg ggtgggacac cgcggggctc tccgccgacc cggagacgtt  300
411 cgccaagaac cgggagctgg aggtgatcca ctccaggtgg gcgatgctcg gcgcgctggg  360
413 ctgcgtgttc ccggagctcc tcgcccgcaa cggcgtcaag ttcggcgagg cagagtggtt  420
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417 gatccacgcg cagagca                                                497
420 <210> SEQ ID NO: 16
421 <211> LENGTH: 525
422 <212> TYPE: DNA
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same
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423 <213> ORGANISM: Oryza sativa
425 <223> OTHER INFORMATION: Clone ID: uC-osflcyp001c07b1
427 <400> SEQUENCE: 16
429 cataatcctg ttccaatttc aaatgcaagc cctctagaag catatagaga cttgacaatg   60
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/06/2003
PATENT APPLICATION: **US/09/669,817**   TIME: 14:25:54

Input Set : **E:\RiceJumbolReg.rpt**
Output Set: **N:\CRF4\08062003\I669817.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 524
Seq#:14; N Pos. 342
Seq#:21; N Pos. 517
Seq#:28; N Pos. 531
Seq#:34; N Pos. 470
Seq#:47; N Pos. 526
Seq#:53; N Pos. 493
Seq#:60; N Pos. 325
Seq#:62; N Pos. 553
Seq#:77; N Pos. 409
Seq#:80; N Pos. 464
Seq#:89; N Pos. 485
Seq#:105; N Pos. 488
Seq#:116; N Pos. 436
Seq#:148; N Pos. 428
Seq#:175; N Pos. 409
Seq#:176; N Pos. 503
Seq#:197; N Pos. 444,449
Seq#:202; N Pos. 243
Seq#:204; N Pos. 387
Seq#:206; N Pos. 241
Seq#:223; N Pos. 447
Seq#:225; N Pos. 412
Seq#:230; N Pos. 276
Seq#:233; N Pos. 271
Seq#:257; N Pos. 330
Seq#:259; N Pos. 85
Seq#:268; N Pos. 266
Seq#:301; N Pos. 113
Seq#:309; N Pos. 207,208
Seq#:322; N Pos. 399
Seq#:365; N Pos. 494,513
Seq#:367; N Pos. 515
Seq#:379; N Pos. 502
Seq#:387; N Pos. 547
Seq#:418; N Pos. 494
Seq#:421; N Pos. 409
Seq#:428; N Pos. 166
Seq#:431; N Pos. 482
Seq#:433; N Pos. 474
Seq#:434; N Pos. 434
Seq#:437; N Pos. 480
Seq#:450; N Pos. 484
Seq#:453; N Pos. 474

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Output Set: **N:\CRF4\08062003\I669817.raw**

```
Seq#:471; N Pos. 245
Seq#:474; N Pos. 469
Seq#:482; N Pos. 435
Seq#:512; N Pos. 4
Seq#:543; N Pos. 5
Seq#:556; N Pos. 190,191
Seq#:563; N Pos. 352,353,497
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/669,817**

DATE: 08/06/2003
TIME: 14:25:54

Input Set : **E:\RiceJumbo1Reg.rpt**
Output Set: **N:\CRF4\08062003\I669817.raw**

```
L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:480
L:387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:300
L:591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:480
L:787 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:480
L:947 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:420
L:1275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:480
L:1445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:480
L:1633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:300
L:1697 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:540
L:2105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:360
L:2189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:420
L:2431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:480
L:2827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105 after pos.:480
L:3083 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:420
L:3807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:148 after pos.:420
L:4489 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175 after pos.:360
L:4523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176 after pos.:480
L:5043 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:197 after pos.:420
L:5165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202 after pos.:240
L:5223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204 after pos.:360
L:5269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206 after pos.:240
L:5695 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:223 after pos.:420
L:5747 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:225 after pos.:360
L:5873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:230 after pos.:240
L:5943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:233 after pos.:240
L:6461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:257 after pos.:300
L:6505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:259 after pos.:60
L:6699 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:268 after pos.:240
L:7311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:301 after pos.:60
L:7477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:309 after pos.:180
L:7777 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:322 after pos.:360
L:8785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:365 after pos.:480
L:8849 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:367 after pos.:480
L:9161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:379 after pos.:480
L:9393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:387 after pos.:540
L:10227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:418 after pos.:480
L:10307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:421 after pos.:360
L:10491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:428 after pos.:120
L:10591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:431 after pos.:480
L:10649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:433 after pos.:420
L:10681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:434 after pos.:420
L:10759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:437 after pos.:420
L:11111 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:450 after pos.:480
L:11193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:453 after pos.:420
L:11659 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:471 after pos.:240
L:11743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:474 after pos.:420
```

VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/669,817**

DATE: 08/06/2003
TIME: 14:25:54

Input Set : **E:\RiceJumbo1Reg.rpt**
Output Set: **N:\CRF4\08062003\I669817.raw**

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L:11949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:482 after pos.:420
L:12717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:512 after pos.:0
L:13523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:543 after pos.:0
L:13881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:556 after pos.:180
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